



KENTUCKY WEEKLY CROP & WEATHER REPORT



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Prepared in Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

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Released weekly April through November

Issued 4:00 P.M., July 17, 2000

JBFB 17-00

AGRICULTURAL NEWS: Crop conditions continue to look promising across the State. The majority of the commonwealth was dry during the week with only a few scattered thunderstorms reported mainly in the eastern portions of the State. Western regions reported increasingly dry conditions becoming a concern. Days suitable for fieldwork averaged 4.4 out of a possible six. **Topsoil moisture** as of Friday, July 14 was rated 7 percent very short, 16 percent short, 59 percent adequate and 18 percent surplus. **Subsoil moisture** was rated 8 percent very short, 23 percent short, 61 percent adequate and 8 percent surplus. Major activities during the week included cultivating, spraying and topping tobacco, making hay and clipping pastures.

CORN: The crop continues to look promising with only a few reports of stress due to lack of moisture. Condition as of Friday, July 14 was reported as 6 percent poor, 18 percent fair, 43 percent good, and 33 percent excellent. As of July 16, 78 percent of the crop had silked slightly behind last year's 83 percent, but ahead of the 5 year average of 53 percent. Twenty-four percent had reached the milk stage compared to 29 percent last year and the 5 year average of 13 percent. Corn in the dough stage reached 10 percent compared to 11 percent last year and the 5 year average of 2 percent. Few reports of disease and insect problems were received.

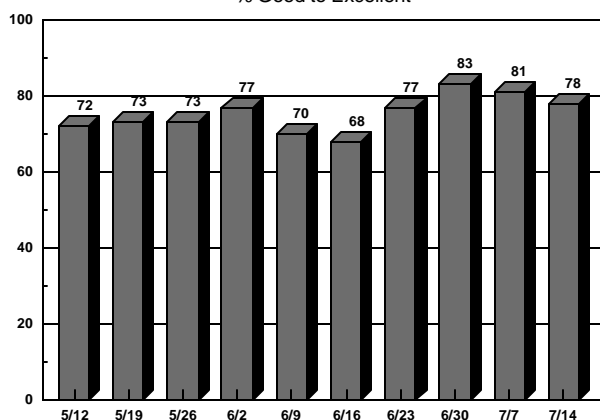
SOYBEANS: Condition of the crop as of July 14 was reported as 3 percent poor, 20 percent fair, 51 percent good, and 26 percent excellent. The crop was 42 percent blooming, ahead of last year's 36 percent. Soybeans setting pods were reported at 14 percent as of July 16 compared to last year's 9 percent. Both blooming and setting pods were ahead of the 5 year average.

TOBACCO: Disease and insect problems remain minor. Problems with black shank and blue mold were reported in a few areas. By Sunday, July 16, 28 percent of **burley** tobacco was blooming compared to 22 percent last year and 14 percent of the crop had been topped compared to 9 percent last year. Burley development was also ahead of the 5 year average. **Dark tobacco** was 40 percent topped compared to 30 percent last year. Condition of all set tobacco was reported as 1 percent very poor, 4 percent poor, 17 percent fair, 54 percent good, and 24 percent excellent.

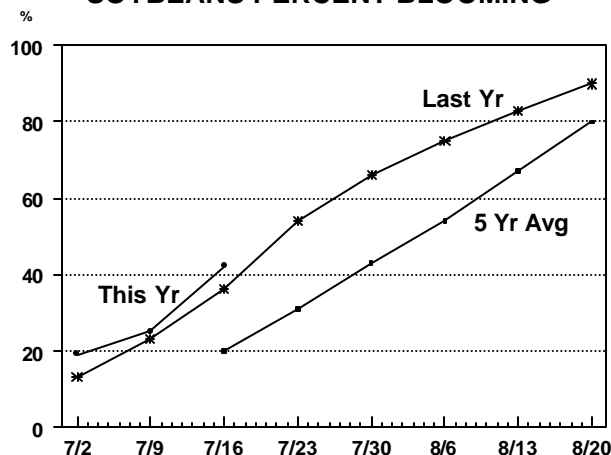
OTHER CROPS: **Hay** crops were reported as 1 percent very poor, 6 percent poor, 24 percent fair, 55 percent good, and 14 percent excellent. **Pasture** condition as of Friday, July 14 was rated 1 percent very poor, 7 percent poor, 25 percent fair, 53 percent good and 14 percent excellent. Farmers were busy cutting and baling hay and clipping pastures.

BURLEY TOBACCO CONDITION

% Good to Excellent



SOYBEANS PERCENT BLOOMING



KENTUCKY CROP PROGRESS
WEEK ENDING JULY 16, 2000
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Soybeans					
Blooming	42	36	20	25	36
Setting Pods	14	9	4	5	5
Corn					
Silking	78	83	53	75	25
Milk Stage	24	29	13	NA	NA
Dough Stage	10	11	2	NA	NA
Burley Tobacco					
Blooming	28	22	13	NA	NA
Topped	14	9	4	NA	NA
Dark Tobacco					
Topped	40	30	19	NA	NA

(NA) Data Not Available.

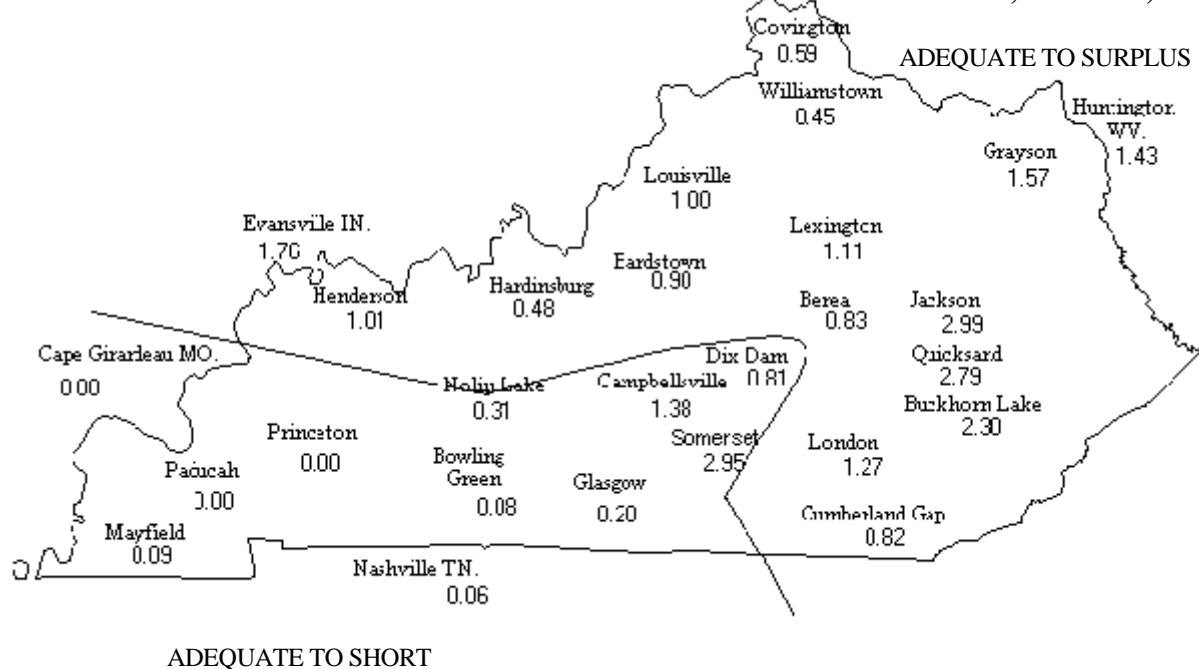
SOIL MOISTURE
WEEK ENDING JULY 14, 2000
WITH COMPARISONS

	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	7	4
Short	16	14
Adequate	59	67
Surplus	18	15
SUBSOIL		
Very Short	8	6
Short	23	20
Adequate	61	70
Surplus	8	4

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING JULY 14, 2000					WEEK ENDING JULY 7, 2000				
	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT
Corn	0	6	18	43	33	-	3	14	43	40
Soybeans	0	3	20	51	26	-	1	17	52	30
Pasture	1	7	25	53	14	1	5	28	53	13
Hay Crops	1	6	24	55	14	1	4	25	55	15
Tobacco	1	4	17	54	24	1	3	15	62	19

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JULY 16, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JULY 14, 2000



KENTUCKY WEATHER SUMMARY, JULY 10 - 16, 2000:

ABOVE NORMAL TEMPERATURES AND BELOW NORMAL RAINFALL:

Last week saw several days of severe thunderstorms across the State some with damaging winds, several tornado warnings, and flooding in Eastern Kentucky. These storms provided some needed rain in Central portions of the State, but very little in Western Kentucky where rain is needed for agriculture. The rest of the week saw hot, muggy conditions across the State with temperatures in the 90s and heat indices near 100.

Temperatures for the week averaged 78 degrees across the State which was 1 degree ABOVE NORMAL. High temperatures averaged from 91 in the West to 85 in the East. Departure from normal high temperatures ranged from 2 degrees ABOVE NORMAL in the West to 1 degree BELOW NORMAL in the East. Low temperatures averaged from 70 degrees in the West to 66 degrees in the East. Departure from normal low temperature ranged from 4 degrees ABOVE NORMAL in the West to 1 degree ABOVE NORMAL in the East. For July 8th the Palmer Drought Index showed the hydrological conditions for the West and Central in a MODERATE drought, Central in a MILD drought, and East in an INCIPIENT (beginning stage) drought. The Crop Moisture Index for the same time showed some drying of the topsoil in West and Central sections with adequate moisture for agricultural purposes for Bluegrass and East sections of Kentucky. Rainfall for the week totaled 0.94 inches Statewide which was 0.11 inches BELOW NORMAL. Precipitation totals by climate division, West 0.48 inches, Central 0.49 inches, Bluegrass 0.79 inches and East 2.01 inches, which was -0.45, -0.61, -0.27 and +0.88 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at Paducah to a high of 2.99 inches at Jackson.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, JULY 16, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)			(Degrees Fahrenheit)								
Bardstown	0.90	11.82	2.83	-2.77	-1.21	89	54	76.1	-0	177	1908	+99
Berea	0.83	19.77	7.57	+4.47	+3.71	90	58	75.9	+0	174	1886	+30
Bowling Green	0.08	12.19	1.07	-3.69	-3.04	97	62	81.1	+5	193	1970	+84
Bristol	0.26	11.83	2.94	-1.14	-0.71	91	61	74.6	-1	170	1771	+69
Buckhorn Lake	2.30	19.54	8.39	+5.03	+4.23	90	58	74.9	-1	169	1879	+253
Cape Girardeau	0.00	9.70	1.28	-5.22	-1.94	95	61	81.1	+3	192	1984	+5
Campbellsville	1.38	17.53	5.27	+0.67	+0.83	92	60	78.7	+3	187	1988	+162
Covington	0.59	15.36	2.60	+1.30	-1.12	86	57	74.3	-1	168	1725	+67
Cumberland Gap	0.82	12.74	3.59	-3.13	-0.83	92	61	77.2	+2	180	1947	+275
Dix Dam	0.81	15.24	4.66	+0.05	+0.63	90	59	76.1	+1	179	1881	+72
Evansville	1.76	13.33	4.81	-1.02	+1.33	92	63	79.4	+1	194	1901	+29
Glasgow	0.20	15.84	2.18	-1.11	-2.40	95	61	80.0	+4	188	2082	+286
Grayson	1.57	14.79	4.74	+0.55	+0.70	89	61	75.4	-0	174	1825	+260
Hardinsburg	0.48	13.14	2.91	-2.29	-1.07	92	63	79.3	+3	192	2008	+122
Henderson	1.01	15.10	3.85	+0.39	+0.22	93	64	80.4	+2	196	2035	+133
Huntington	1.43	13.71	4.27	-0.39	+0.25	89	61	75.4	-0	175	1813	+125
Jackson	2.99	21.50	9.22	+6.39	+4.98	87	61	74.4	-1	170	1824	+198
Lexington	1.11	13.93	3.56	-0.66	-0.48	90	59	76.1	+1	178	1835	+147
London	1.27	13.91	4.47	-0.35	+0.57	89	59	75.1	-0	172	1822	+150
Louisville	1.00	14.79	4.58	+0.15	+0.87	91	62	78.0	+2	188	1934	+62
Mayfield	0.09	10.01	0.70	-5.74	-2.97	92	61	79.1	+1	188	1968	+21
Nashville	0.06	15.97	1.11	+1.10	-2.37	98	68	84.0	+8	207	2101	+92
Nolin Lake	0.31	13.17	1.92	-3.37	-2.25	95	62	80.2	+4	191	1994	+261
Paducah	0.00	12.14	1.30	-4.02	-2.48	97	63	81.9	+4	197	2035	+72
Princeton	0.00	14.02	1.72	-1.80	-2.03	97	63	81.4	+3	194	2136	+204
Quicksand	2.79	24.13	9.76	+9.02	+5.52	89	55	74.4	-1	166	1900	+274
Somerset	2.95	21.89	8.53	+5.71	+4.31	91	60	77.8	+2	187	1948	+185
Spindletop	0.97	12.36	3.79	-2.23	-0.25	89	60	75.7	+0	177	1800	+112
Williamstown	0.45	16.19	2.99	+1.52	-0.86	89	58	76.1	+1	176	1887	+199

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (606)257-3000 ext 245. E-mail: tpriddy@ca.uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

Livestock Weather Safety Index Chart

Dry Bulb Temp(F)	Relative Humidity Intervals (Percent)									
	10	20	30	40	50	60	70	80	90	100
78			70	71	72	74	75	75	77	78
80		70	72	73	74	75	77	78	79	80
82	70	71	73	74	75	76	78	79	81	82
84	71	72	74	75	77	78	80	81	83	84
86	72	74	75	77	78	80	81	83	84	86
88	73	75	76	78	80	81	83	85	87	88
90	74	76	78	79	81	83	85	87	88	90
92	75	77	79	81	83	84	86	88	90	
94	76	78	80	82	84	86	88	90		
96	77	79	81	84	86	88	90			
98	78	80	82	85	87	89				
100	79	82	84	86	88	91				

EMERGENCY STRESS - Index of 84 or Greater

DANGER STRESS - Index of 79 to 83

NO STRESS - Index of 78 or Less

DANGER - EXPECT 25% or more increase in transit loss!

EMERGENCY - EXPECT 45% or more increase in transit loss!

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